

MCLAUGHLIN

N/F DAMB & FLORES PETERS

N/F KOLLMORGEN

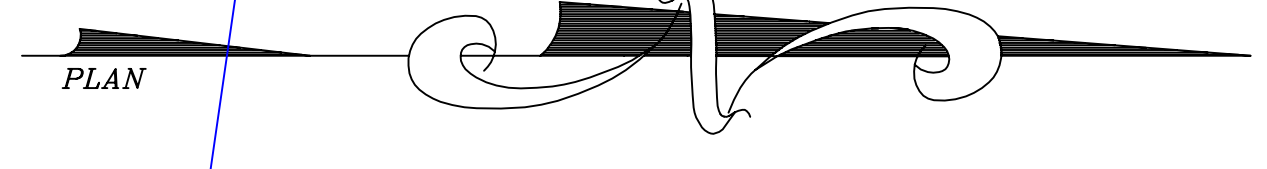
N/F FITTA
N/F ROBERT & JUDITH FITTA

TOWN N HAMP
226.60'

ATLANTIC AVE
400.38'

KUTT & LECLAIRE
N/F KUTT & LECLAIRE PROPERTY MANAGEMENT

N81°37'59"W
39.97'



PLAN

Command= 210-

Point#, Start#-End# or G#= 1-200

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
-----01-18-2025-----11:17:26-----D:...\BMHOME10							
		79.61	SETPK	1	5173.2916	5255.5393	
		81.84	SETPK	2	5163.9993	5140.9856	TRA
		82.18	SETPK#3	3	5117.7632	5135.3573	SS
		80.28	CORBLD*	4	5128.2967	5214.3512	SS
		80.30	CORBLD*	5	5127.0203	5224.6397	SS
		80.23	<GAS*	6	5134.6340	5226.0191	SS
		80.43	@DOOR***	7	5119.2515	5232.0608	SS
		80.50	CLEANOUT	8	5118.7749	5251.8692	SS
		80.11	CORBLDG*	9	5115.1758	5265.2414	SS
		80.39	@DOOR***	10	5095.9214	5268.9865	SS
		80.31	@CORCNC*	11	5102.7109	5271.9351	SS
		80.07	@CORCNC	12	5124.9740	5274.5965	SS
		80.03	CORCONC*	13	5136.7970	5272.1815	SS
		80.11	CORBLD**	14	5094.6394	5278.5533	SS
		80.54	@DOOR***	15	5133.3004	5280.2317	SS
		80.52	CORCNC**	16	5136.2084	5275.9517	SS
		79.96	CORBLDG	17	5135.7993	5280.7318	SS
		79.37	CORBLDG*	18	5130.4879	5323.7045	SS
		79.21	SEAM	19	5147.0017	5320.6091	SS
		79.14	SEAM	20	5160.9505	5321.3421	SS
		79.05	ENDPARK	21	5170.7744	5322.2419	SS
		79.42	ENDPARK	22	5173.4927	5286.3787	SS
		79.53	SEAM*	23	5162.9877	5285.0312	SS
		79.77	SEAM	24	5149.5359	5284.0884	SS
		79.97	CLEANOUT	25	5135.2982	5287.7347	SS
		79.37	EP@BRM	26	5192.4151	5277.8566	SS
		79.83	<FNC**	27	5200.8273	5259.2154	SS
		79.84	ENDFNC**	28	5208.8531	5256.6854	SS
		79.52	CORFNC**	29	5214.0770	5252.2240	SS
		79.26	<FNC	30	5221.7792	5255.0656	SS
		80.63	SIRENPOL	31	5213.6204	5224.6653	SS
		79.98	ELECTEL	32	5173.4880	5227.3000	SS
		79.79	ENDPARK	33	5177.0779	5241.5010	SS
		79.78	PAVHI	34	5164.8632	5247.0820	SS
		79.90	PAV	35	5150.6669	5252.2673	SS
		80.20	CORHCP**	36	5135.4614	5251.2728	SS
		80.17	ENDPARK	37	5136.8832	5237.2588	SS
		80.10	EPGAS	38	5156.9388	5211.8921	SS
		80.21	EP	39	5179.0221	5214.6994	SS

JOB #6 614NORTHHAMPTON [200]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
-----01-18-2025-----11:17:26-----D:...\BMHOME10							
	80.27		SMHTANK	40	5158.5665	5208.2383	SS
	82.18		3PK	41	5117.7805	5135.3595	SS
	82.03		FNDDHSB	42	5000.0000	5000.0000	SS
	84.95		FNDDHWLL	43	5005.8218	4960.4334	SS
	81.89		EPLIB	44	5094.1589	5048.9557	SS
	80.67		EPLIB	45	5051.2551	5043.8152	SS
	82.67		EDG4'WK	46	5112.1910	5082.7974	SS
	83.98		CORCNC**	47	5107.7679	5113.0687	SS
	83.61		GNDHI	48	5110.7452	5108.3283	SS
	82.84		CORBLD	49	5104.0661	5092.0399	SS
	84.16		CORBLD	50	5101.8339	5107.6062	SS
	82.48		@WLL***	51	5083.2487	5109.6983	SS
	82.04		CORBLD*	52	5076.6220	5129.4154	SS
	82.46		CORBLD*	53	5080.4712	5115.3621	SS
	81.73		POLE	54	5088.3453	5145.5244	SS
	81.85		ANCHOR	55	5096.1494	5143.5921	SS
	82.55		30"TREE	56	5099.4619	5135.6214	SS
	81.62		COREP	57	5081.7461	5144.0436	SS
	81.55		EPOC	58	5096.5658	5154.2206	SS
	81.89		EPOC	59	5113.1777	5147.9749	SS
	82.20		EPPARK	60	5137.2053	5136.6659	SS
	81.55		ENDPRK	61	5134.4664	5156.7989	SS
	81.35		EP@PIT#1	62	5161.0179	5160.9745	SS
	80.66		EP	63	5155.2636	5195.1963	SS
	80.36		SEAM	64	5141.2095	5203.5012	SS
	80.36		EPPCTOBD	65	5129.3767	5207.6173	SS
	80.59		CORBLD**	66	5122.5822	5205.5062	SS
	80.75		EPPC-PRK	67	5130.6137	5192.5754	SS
	80.91		EPPT@PRK	68	5125.5124	5185.7834	SS
	81.04		ENDPARK	69	5117.0692	5180.1731	SS
	81.37		ENDPARK	70	5082.2839	5175.0725	SS
	80.34		CORBLD**	71	5040.2320	5195.3729	SS
	81.37		ENDPRKHI	72	5079.9586	5194.4768	SS
	80.22		COREP	73	5197.6962	5216.4435	SS
	80.69		ANCHOR	74	5193.4973	5213.2683	SS
	80.84		POLE	75	5194.4128	5199.6731	SS
	81.17		CORPADGN	76	5201.7482	5204.0629	SS
	81.14		CORPADGN	77	5195.1276	5212.7994	SS
	81.05		CORSHD	78	5204.0133	5203.9936	SS
	80.99		CORSHD**	79	5205.8287	5191.8693	SS
	81.02		CORFNC**	80	5221.8348	5181.7883	SS
	82.66		TOPGAS**	81	5209.8622	5169.1302	SS
	81.35		CORFNC**	82	5229.6026	5141.9255	SS
	82.16		FNCLN**	83	5239.0959	5102.7724	SS
	81.33		@FNC	84	5246.7679	5054.4026	SS
	83.05		BLDG***	85	5198.0902	5097.6725	SS
	82.40		GND@BLD	86	5161.4343	5092.7137	SS
	83.04		BLDG***	87	5124.8003	5087.3042	SS
	82.45		PIT#3	88	5145.9964	5122.7993	SS
	82.59		SYS??	89	5102.8062	5121.5348	SS
	82.02		PIT#2	90	5186.1309	5133.2334	SS
	82.24		GND	91	5168.1295	5117.2117	SS
	81.79		EDGWDS*	92	5221.2987	5116.0001	SS
	81.19		@BLDREWD	93	5217.8594	5156.7510	SS
	81.03		EDGEX**	94	5164.8290	5185.8379	SS
	81.01		EDGEX**	95	5179.1724	5188.7852	SS
	81.20		GND	96	5185.1328	5166.7330	SS
	81.19		SIGN	97	5161.0492	5173.4719	SS

JOB #6 614NORTHHAMPTON [200]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
-----01-18-2025-----11:17:26-----D:...\BMHOME10							
		83.05		98	5213.2757	4989.6221	INT
				150	5000.0000	5000.0000	
				151	5005.8172	4960.4657	TRA
				152	5230.2119	4992.0023	TRA
				153	5229.4027	4997.4424	TRA
				154	5249.8798	5000.3324	TRA
				155	5244.8493	5034.4030	TRA
				156	5203.5936	5314.7739	TRA
				157	5189.1614	5415.0810	TRA
				158	4942.9168	5396.2980	TRA
				159	5000.0014	5000.0084	TRA

Point#, Start#-End# or G#= 4-

APPROVAL FOR CONSTRUCTION

CA2011103502 N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES SUBSURFACE SYSTEMS BUREAU

CA2011103502

APPROVAL NO.

P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095

Map No./Lot No.: 7/145, 146 & 147

OWNER: TOWN OF NORTH HAMPTON

233 ATLANTIC AVE

NORTH HAMPTON NH 03862-2362

Subd. Name: ROCKINGHAM

County: 839

Registry Book No.: 303

Probate Docket No.: (If Applicable)

COPY SENT TO:

BUILDING INSPECTOR

PO BOX 710

NORTH HAMPTON NH 03862

Type of System: N BR

1000 GPD

NORTH HAMPTON

Town/City Location:

ATLANTIC AVENUE

BY APPLICANT: PERMIT NO. 00346

Street Location:

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)

It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. THIS APPROVAL IS VALID FOR 90 DAYS FROM DATE OF SAID APPROVAL, PER ENV-WQ 1003.22.
2. THIS APPROVAL IS GRANTED ONLY TO IMPROVE AN EXISTING SITUATION.
3. APPROVED WITH A MUNICIPAL WATER SUPPLY ONLY.
4. APPROVAL FOR THE FIRE AND POLICE DEPARTMENT AND TOWN OFFICES ONLY.

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. THIS APPROVAL IS VALID FOR 90 DAYS FROM DATE OF SAID APPROVAL, PER ENV-WQ 1003.22.
2. THIS APPROVAL IS GRANTED ONLY TO IMPROVE AN EXISTING SITUATION.
3. APPROVED WITH A MUNICIPAL WATER SUPPLY ONLY.
4. APPROVAL FOR THE FIRE AND POLICE DEPARTMENT AND TOWN OFFICES ONLY.

90 DAY EXTENSION GRANTED FROM DATE OF EXPIRATION. D.D. 5/25/11.

IN THE EVENT OF A FAILURE IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO CONTACT THE OFFICE OF THE REGIONAL INSPECTION CONTACT THIS OFFICE: 515-3201

APPROVAL HAS BEEN GRANTED ON 01/25/2011 FOR THE DATE OF OPERATION. APPROVAL IS NOT VALID FOR THE DATE OF OPERATION. APPROVAL IS NOT VALID FOR THE DATE OF OPERATION. APPROVAL IS NOT VALID FOR THE DATE OF OPERATION.

Approved this date:

By:

ERIC J THOMAS

N.H. Department of Environmental Services

PROPERTY MANAGEMENT

S OCCUR,

NO ESHWT, NO OBSERVED WATER, NO REFUSAL

TEST PIT #4 ELEV 80.2±

CONSISTS OF OPEN EXCAVATION PERFORMED TO INSPECT EXISTING AND APPROVED SYSTEM. TOP OF EXISTING D-BOX = APPROX ELEV 76.5 (EXISTING CORRELANCE WITH THE BED BOTTOM ASSUMED TO BE ELEV 75.5±). NO EVIDENCE OF REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES REFUSAL/SHWT OBSERVED TO APPROX ELEV 73.5.

PERC RATE:

N/A FOR CLEAN SOLUTION SYSTEM

ANNUAL WATER USAGE FOR COMBINED USE = 1-85-11
AVERAGE <300 GPD - PEAK X 3 = 900 GPD

DESIGN LOADING: 500 GPD FOR EACH BUILDING = 1000 GPD TOTAL

DISPERSAL AREA REQUIRED:

1 SF PER 3 GPD = 333 SF REQUIRED

DISPERSAL AREA PROPOSED: EIGHT 4'X12' CHAMBERS FOR 12' X 32' = 384 SF PROPOSED

SEPTIC SYSTEM PLAN

PROPOSED REPLACEMENT

EXISTING FAILED SYSTEM

LOCUS:

233-235 ATLANTIC AVENUE

TAX MAP 7 LOTS 145,146,147

NORTH HAMPTON, NH

OWNER:

TOWN OF NORTH HAMPTON

233 ATLANTIC AVENUE

NORTH HAMPTON, NH 03862

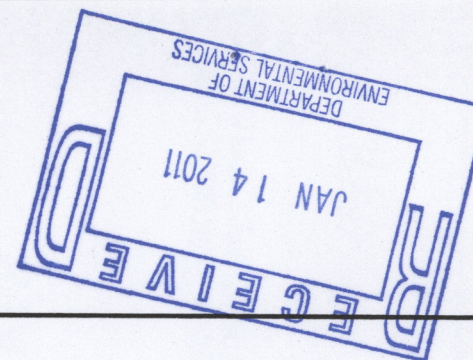
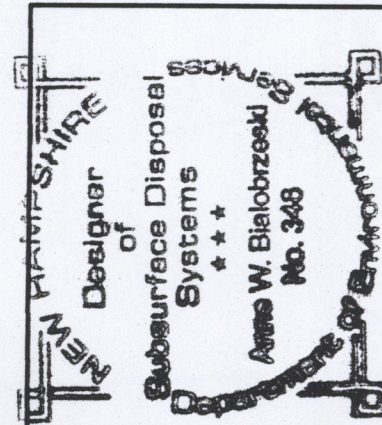
APPLICANT:

STOCKTON SERVICES

PO BOX 1306

HAMPTON, NH 03843-1306

603 929-7404



DATE: JANUARY 12, 2011

APPROVAL:

614

APPROVED BY NORTH HAMPTON BUILDING INSPECTOR DATE: 1/13/11

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED ON THIS CONDITIONAL APPROVAL.

January 25, 2011

Site Loading Figures for Town of North Hampton
DES Subsurface WN: 201100091
Total Lot Area: 2.45 Acres
Slope AB
Soil Class: Chatfield-Hollis-Canton (using Group 4 for these calculations)
2.45 acres x 2000 GPD/ac / 1.45 (sewage loading factor) = **3379 GPD allowed.**

Existing Site Loading (Book)

Town Clerk/Tax Collector :

2 employees @ 15 GPD = 30 GPD
Average 10 transients per day, peak x 3 = 30 @ 5 GPD = 150 GPD
150 + 30 = **180 GPD Book Loading**

Library:

4 employees @ 15 GPD = 60 GPD
Main library – 60 seats @ 5 GPD/seat = 300 GPD
Meeting Room – 630 sf @ 15 sf/person occupancy =
42 person max @ 5 GPD per person = 210 GPD
60 G + 300 G + 210 G = **570 GPD Book Loading**

Fire Station:

3 employees 24 hrs (with kitchen) @ 50 GPD = 150 GPD
1 employee (day shift only) @ 15 GPD = 15 GPD
150 G + 15 G = **165 GPD Book Loading**

Police Station/ Town Offices:

3 police employees 24 hrs (no kitchen) @ 35 GPD = 105 GPD
6 town office employees @ 15 GPD = 90 GPD
Average 20 transients per day peak x 3 = 60 @ 5 GPD = 300 GPD
105 G + 90 G + 300 G = **495 GPD Book Loading**

Old Town Hall

2 offices with 1 employee each = 2 x 15 GPD = 30 GPD
Meeting Hall -1680 sf @ 15 sf/person occupancy =
112 person max @ 5 GPD per person = 560 GPD
kitchen rarely used, allow 30 meals @ 3 GPD/meal = 90 GPD
30 GPD + 560 GPD + 90 GPD = **680 GPD Book Loading**

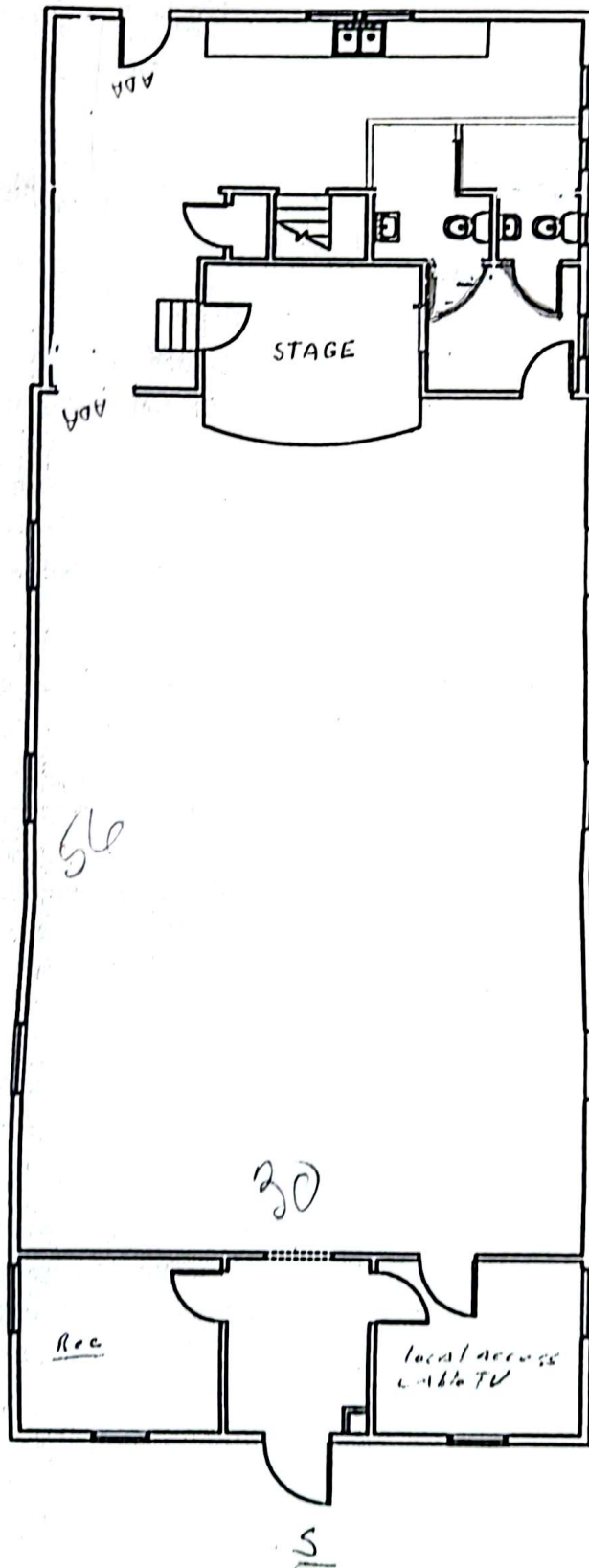
180 GPD + 570 GPD + 165 GPD + 495 GPD + 680 GPD =

TOTAL EXISTING SITE (BOOK) LOADING = 2090 GPD

TOTAL SITE LOADING ALLOWED = 3379 GPD

ACTUAL WATER USAGE FOR 2010 = 17800 CF X 7.49 = 133322 / 365 =

AVERAGE DAILY USE = 365 GPD FOR ENTIRE COMPLEX



EXISTING FLOOR PLAN

SCALE: 1/8" = 1'-0"

"OLD TOWN HALL"

See at



*022402011*80*

Account Number:
Total Charges:
Statement Date:
Service for:

5250 ÷ 365 Fire Dept
7000 × 7.5 = 5250 ÷ 365 = 144
144 gal/reading
200163933
\$292.70
08/03/10
235 ATLANTIC AVE
NORTH HAMPTON NH 03862

Website: www.aquarionwater.com

Meter #	Billing Period	Days	Meter Reading	Reading Type	Usage	Next Billing
60424906 (1 1/2")	05/04/10 - 08/02/10	91	From / To 175 / 193	Actual	18 hundred cubic feet (13 thou. g)	Approximately 10/31/10

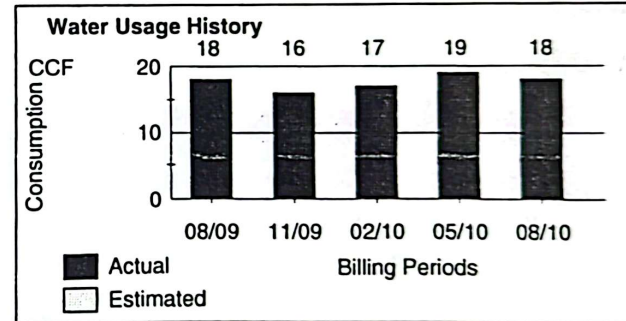
Account Detail

Outstanding Balance **296.42**
Payment Received (05/26/2010), Thank You - 296.42
Outstanding Balance **0.00**

Current Charges
 Service Charge 192.09
 Usage Charge 18 ccf @ \$3.7210 66.98
 Temp Rate Recoupment Surcharge 30.60
 Rate Case Expense Surcharge 3.03
Total Current Charges Due By 09/02/2010 **292.70**

Total Balance **\$292.70**

Amount Due After 09/02/2010 **\$307.34**

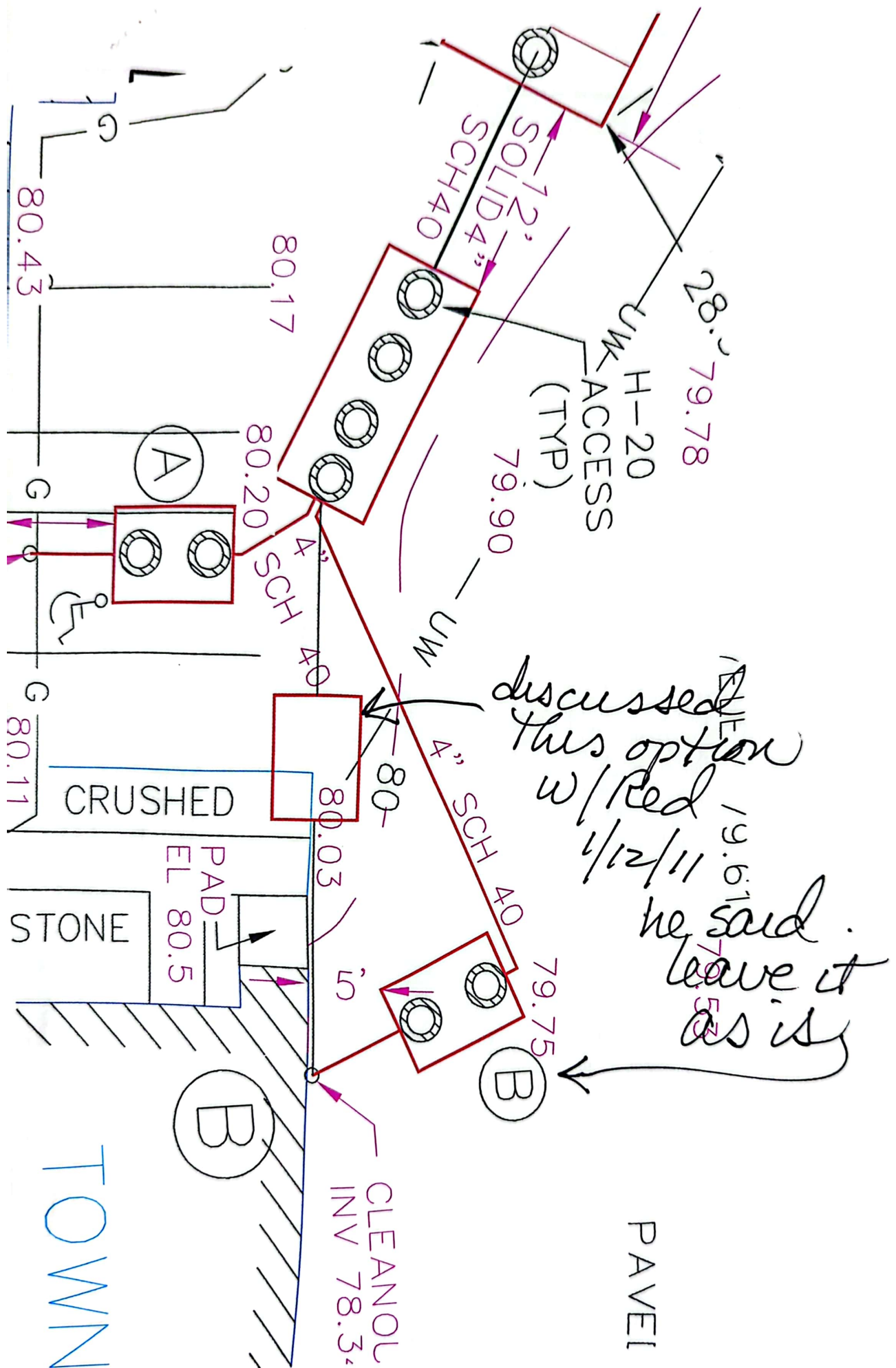


SPECIAL NOTES

CONTACT INFORMATION: Please call our offices for questions about your account, payment locations or to obtain a copy of our rate schedules at (603) 926-3319 or toll-free (800) 403-4333. For after-hour emergencies, call (603) 926-3319 ext. 9.

PLEASE NOTE: This bill contains two surcharges, a Temporary Recoupment Surcharge and a Rate Case Expense Surcharge. Both surcharges were authorized by the Public Utility Commission in Order 25,053 dated December 18, 2009 and will remain in effect for approximately one year.

Per Aquarion
1/25/11
700 OCT 2010
APPROVED FOR PAYMENT
NORTH HAMPTON
AUG 18 2010
01-4194-10-414
292.70
Initial



Tocky B.

From: "Tocky B." <stockton@ttlc.net>
To: "Richard Mabey" <rmabey@northhampton-nh.gov>
Cc: "Gary Spaulding" <gary@thecleansolution.com>
Sent: Monday, January 03, 2011 10:31 AM
Attach: 614 North Hampton H2O PRELIM TO GARY, RED 01-03-11.pdf
Subject: Town of North Hampton failed system

Perfect timing, Red.....

Attached for you and copied to Gary Spaulding (from Wastewater Alternatives) is my preliminary design plan.... I will add your loading figures and make minor adjustments and corrections to this before finalizing.... now is the time for your input and that of the installer.... please have Mike Fritz take a look at it and let me know what he thinks (if he will be the installer of record).

Gary, we have decided to go with 1000 GPD total design loading (unless you suggest otherwise). I think that will help you with your specs.

As always, will both of you please be critical and speak up if you see anything that bothers you... it will make the final product better.

Thank you and Happy New Year.

Tocky

Anne W. Bialobrzeski
NHLLS #752
NHDES Septic Designer #348
Stockton Services
PO Box 1306
Hampton, NH 03843-1306
603 929-7404
603 765-8918 cell

11:00
Public Works

Red

----- Original Message -----

From: [Richard Mabey](#)
To: 'Tocky B.'
Sent: Monday, January 03, 2011 7:53 AM
Subject: RE: Septic Design

Tocky,

The police & town office building used 5100 cf for a 12 month period which calculates to 105 gpd. The fire dept. used 7000 cf for a twelve month period which calculates to 144 gpd.

Regards ,

